

What is claimed is:

1. A smooth and chewy low calorie confectionery bar
5 comprising:

- proteinaceous material having low water absorption properties and medium to high emulsification properties;
- carbohydrate material selected from the group consisting of: digestible carbohydrate, indigestible carbohydrate, and
10 a mixture thereof,

wherein said proteinaceous material and said carbohydrate material are present in a relative weight ratio of from 1:0 to 1:0.999.

2. The confectionery bar of claim 1, wherein said proteinaceous material is selected from the group consisting of: binding proteins having low water absorption properties and medium to high emulsification properties, filler proteins
15 having low water absorption and low viscosity, and mixtures thereof.

3. The confectionery bar of claim 2, wherein said binding protein and filler protein are present in a relative ratio of from 100:0 to 0:100 when said filler protein is selected from the group consisting of: caseinates, and soy proteins.
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4. The confectionery bar of claim 2, wherein said binding protein and filler protein are present in a relative ratio of from 75:25 to 25:75.
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5. The confectionery bar of claim 2, wherein said binding protein and filler protein are present in a relative ratio of from 65:35 to 40:60.
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6. The confectionery bar of claim 2, wherein said binding protein is selected from the group consisting of: soy protein isolate, functional whey protein, functional whole milk protein, pea protein, partially denatured egg albumen, and
5 partially devitalized wheat gluten.

7. The confectionery bar of claim 2, wherein said filler protein is selected from the group consisting of: calcium caseinate, soy protein isolate, denatured whey protein, pea
10 protein, devitalized wheat gluten, and denatured egg albumen.

8. The confectionery bar of claim 6, wherein said soy protein isolate is selected from the group consisting of: proteins sold under the trademarks PP-710, PP-670, PP-860, ARDEX-R,
15 ARDEX D-HD, PROFAM G902, PROFAM S636, PROFAM S950, PROFAM S955, and PROFAM S901.

9. The confectionery bar of claim 6, wherein said whole milk protein is the protein sold under the trademark REFIT (DMV).
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10. The confectionery bar of claim 6, wherein said pea protein is the protein sold under the trademark WOODSTONE GOLD.

11. The confectionery bar of claim 7, wherein said calcium caseinate is selected from the group consisting of: proteins sold under the trademarks FARBEST 270, FARBEST 290, FARBEST
25 200, and ALANATE 312.

12. The confectionery bar of claim 7, wherein said soy protein isolate is selected from the group consisting of: proteins sold under the trademarks PP-860, and ARDEX-R.
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13. The confectionery bar of claim 7, wherein said pea protein is sold under the trademark: WOODSTONE GOLD.
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14. The confectionery bar of claim 2, wherein said binding protein is PP-710 and said filler protein is FARBEST 290, said binding and filler proteins being present in a relative ratio of 54:46.

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15. The confectionery bar of claim 2, wherein said proteinaceous material is made from the mixture of WOODSTONE GOLD with FARBEST 270 in a 50:50 weight ratio.

10 16. The confectionery bar of claim 2, wherein said proteinaceous material is made from the mixture of MIRA-PRO 121 with FARBEST 290 in a 50:50 weight ratio.

15 17. The confectionery bar of claim 2, wherein said proteinaceous material is made from the mixture of ARDEX-R with PP-860 in a 50:50 weight ratio.

20 18. The confectionery bar of claim 2, wherein said proteinaceous material is made from the mixture of ARDEX D-HD with WOODSTONE GOLD in a 50:50 weight ratio.

25 19. The confectionery bar of claim 2, wherein said proteinaceous material is made from the mixture of WOODSTONE GOLD with denatured egg albumen in a 75:25 weight ratio.

20. The confectionery bar of claim 2, wherein said proteinaceous material is made from the mixture of MIRA-PRO 121 with REFIT in a 75:25 weight ratio.

30 21. The confectionery bar of claim 2, wherein said proteinaceous material is made from the mixture of ARDEX-R with ALANATE 312 in a 75:25 weight ratio.

35 22. The confectionery bar of claim 2, wherein said proteinaceous material is made from the mixture of ARDEX D-HD with PP-860 in a 75:25 weight ratio.

23. The confectionery bar of claim 2, wherein said proteinaceous material is made from the mixture of PP-610 with calcium caseinate denatured by heat treatment in a 25:75 weight ratio.

24. The confectionery bar of claim 2, wherein said proteinaceous material is made from the mixture of PROFAM S920 with PP-860 in a 25:75 weight ratio.

25. The confectionery bar of claim 2, wherein said proteinaceous material is made from the mixture of ARDEX-R with WOODSTONE GOLD in a 75:25 weight ratio.

26. The confectionery bar of claim 2, wherein said proteinaceous material is solely ARDEX-R soy protein isolate.

27. The confectionery bar of claim 2, wherein said proteinaceous material is solely WOODSTONE GOLD pea protein.